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Practitioner's Docket No. MSU 4.1-458

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Linda S. Mansfield, Mary G. Rossano,  
Alice J. Murphy and Ruth A. Vrable

Application No.: 09/7513,086 Group No.: 1633

Filed: September 24, 2000 Examiner: Y. Connell

For: VACCINE TO CONTROL EQUINE PROTOZOAL MYELOENCEPHALITIS IN  
HORSES

Assistant Commissioner for Patents  
Washington, D.C. 20231



**AMENDMENT TRANSMITTAL**

1. Transmitted herewith is an amendment for this application.

**STATUS**

2. Applicant is

- a small entity. A statement:
  - is attached.
  - was already filed.
- other than a small entity.

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**CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. § 1.8(a))**

I hereby certify that this correspondence is, on the date shown below, being:

**MAILING**

deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Date: 11/10/00

**FACSIMILE**

transmitted by facsimile to the Patent and Trademark Office.

Signature

Tammi L. Taylor

(type or print name of person certifying)

(Amendment Transmittal [9-19]—page 1 of 4)

## EXTENSION OF TERM

NOTE: "Extension of Time in Patent Cases (Supplement Amendments) — If a timely and complete response has been filed after a Non-Final Office Action, an extension of time is not required to permit filing and/or entry of an additional amendment after expiration of the shortened statutory period.

*If a timely response has been filed after a Final Office Action, an extension of time is required to permit filing and/or entry of a Notice of Appeal or filing and/or entry of an additional amendment after expiration of the shortened statutory period unless the timely-filed response placed the application in condition for allowance. Of course, if a Notice of Appeal has been filed within the shortened statutory period, the period has ceased to run." Notice of December 10, 1985 (1061 O.G. 34-35).*

NOTE: See 37 C.F.R. § 1.645 for extensions of time in interference proceedings, and 37 C.F.R. § 1.550(c) for extensions of time in reexamination proceedings.

3. The proceedings herein are for a patent application and the provisions of 37 C.F.R. § 1.136 apply.

*(complete (a) or (b), as applicable)*

(a)  Applicant petitions for an extension of time under 37 C.F.R. § 1.136  
(fees: 37 C.F.R. § 1.17(a)(1)-(4) for the total number of months checked below:

Extension <u>(months)</u>	Fee for other than <u>small entity</u>	Fee for <u>small entity</u>
<input type="checkbox"/> one month	\$ 110.00	\$ 55.00
<input type="checkbox"/> two months	\$ 380.00	\$ 190.00
<input type="checkbox"/> three months	\$ 870.00	\$ 435.00
<input type="checkbox"/> four months	\$ 1,360.00	\$ 680.00

Fee: \$ \_\_\_\_\_

If an additional extension of time is required, please consider this a petition therefor.

*(check and complete the next item, if applicable)*

An extension for \_\_\_\_\_ months has already been secured. The fee paid therefor of \$ \_\_\_\_\_ is deducted from the total fee due for the total months of extension now requested.

Extension fee due with this request \$ \_\_\_\_\_

OR

(b)  Applicant believes that no extension of term is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition for extension of time.

## FEE FOR CLAIMS

4. The fee for claims (37 C.F.R. § 1.16(b)-(d)) has been calculated as shown below:

(Col. 1)	(Col. 2)	(Col. 3)	SMALL ENTITY	OTHER THAN A SMALL ENTITY
CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NO PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDIT. FEE <b>OR</b> RATE
<b>TOTAL</b> * <b>21</b>	<b>MINUS</b> ** <b>50</b>	= <b>-0-</b>	x\$9 = \$	x\$18 = \$ <b>-0-</b>
<b>INDEP.</b> * <b>4</b>	<b>MINUS</b> *** <b>17</b>	= <b>-0-</b>	x\$39 = \$	x\$78 = \$ <b>-0-</b>
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEP. CLAIM			+ \$130 = \$	+ \$260 = \$ <b>-0-</b>
			TOTAL ADDIT. FEE \$	OR TOTAL ADDIT. FEE \$ <b>-0-</b>

- \* If the entry in Col. 1 is less than entry in Col. 2, write "0" in Col. 3.
- \*\* If the "Highest No. Previously Paid for" IN THIS SPACE is less than 20, enter "20".
- \*\*\* If the "Highest No. Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest No. Previously Paid For" (Total or indep.) is the highest number found in the appropriate box in Col. 1 of a prior amendment or the number of claims originally filed.

**WARNING:** "After final rejection or action (§ 1.113) amendments may be made cancelling claims or complying with any requirement of form which has been made." 37 C.F.R. § 1.116(a) (emphasis added).

(complete (c) or (d), as applicable)

(c)  No additional fee for claims is required.

**OR**

(d)  Total additional fee for claims required \$\_\_\_\_\_.

## FEE PAYMENT

5.  Attached is a check in the sum of \$\_\_\_\_\_.

Charge Account No. \_\_\_\_\_ the sum of \$\_\_\_\_\_.

A duplicate of this transmittal is attached.

## FEE DEFICIENCY

NOTE: If there is a fee deficiency and there is no authorization to charge an account, additional fees are necessary to cover the additional time consumed in making up the original deficiency. If the maximum, six-month period has expired before the deficiency is noted and corrected, the application is held abandoned. In those instances where authorization to charge is included, processing delays are encountered in returning the papers to the PTO Finance Branch in order to apply these charges prior to action on the cases. Authorization to charge the deposit account for any fee deficiency should be checked. See the Notice of April 7, 1986, (1065 O.G. 31-33).

6.  If any additional extension and/or fee is required, charge Account No.  
13-0610

### AND/OR

If any additional fee for claims is required, charge Account No.  
13-0610

  
\_\_\_\_\_  
SIGNATURE OF PRACTITIONER

Ian C. McLeod

(type or print name of practitioner)

2190 Commons Parkway

P.O. Address

Okemos, Michigan 48864

Reg. No.: 20,931

Tel. No.: (517) 347-4100

Customer No.: 21036



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Linda S. Mansfield, Mary G. Rossano,  
Alice J. Murphy and Ruth A. Vrable

Serial No.: 09/513,086 Group Art Unit: 1633

Filed : September 24, 2000

For : VACCINE TO CONTROL EQUINE PROTOZOAL  
MYELOENCEPHALITIS IN HORSES

Examiner : Y. Connell

Commissioner of Patents and Trademarks

Washington, D. C. 20231

**AMENDMENT UNDER 37 CFR 1.111**

Sir:

In response to the Office Action dated August 16, 2000, the Applicants amend and remark as follows:

*Sub C1*  
1 -4- (Amended)  
2  
3  
4  
5

A vaccine for active immunization of an equid  
against a *Sarcocystis neurona* infection comprising at  
least one epitope of a unique 16 ( $\pm 4$ ) or 30 ( $\pm 4$ )  
recombinant antigen of *Sarcocystis neurona* and  
combinations thereof.